

**IN THE CLAIMS:**

1. (Currently Amended) A cache management system operable on one or computer systems, comprising:

an in-memory database system for managing cached data;

an application utilizing data and having a rule related to caching the data;

a wrapper to receive the data from the application and provide at least a portion of the data and a component of the rule to the in-memory database system; and

an engine operable to monitor the in-memory database system and apply the rule to the cached data outside of the application.

2. (Original) The cache management system of Claim 1, wherein the component of the rule is further defined as a first component and a second component of the rule.

3. (Original) The cache management system of Claim 1, wherein the rule is further defined as instructions for cache management of the data.

4. (Original) The cache management system of Claim 1, wherein the data is application data and wherein the rule for cache management of the data is related to the application.

Attorney Docket No: IDF 2393 (4000-12700)

*Patent*

5. (Original) The cache management system of Claim 1, wherein the wrapper receives at least a portion of the data from the application and the wrapper provides a part of the at least a portion of the data to the in-memory database system.

6. (Original) The cache management system of Claim 1, further comprising a plug-in operable to communicate with the in-memory database system to receive the data and the component of the rule from the wrapper and communicate the data and information related to the rule to the in-memory database system.

7. (Original) The cache management system of Claim 1, wherein the engine is operable to obtain the component of the rule from the in-memory database and to obtain the instruction for cache management of the data related to the component of the rule and further operable to execute the instructions to apply the rule to the data.

8. (Original) The cache management system of Claim 1, wherein the rule is defined as an asynchronous rule.

9. (Original) The cache management system of Claim 1, wherein the rule is defined as a synchronous rule.

**[[9]] 10. (Currently Amended)** The cache management system of Claim 1, wherein the rule includes a refresh data instruction whereby the engine is operable to obtain current data from a database.

Attorney Docket No: IDF 2393 (4000-12700)

*Patent*

**[[10]] 11. (Currently Amended)** The cache management system of Claim 1, wherein the rule includes a tenure data instruction whereby the engine is operable to release the data after a time period.

**[[11]] 12. (Currently Amended)** The cache management system of Claim 1, wherein the rule includes a persist data instruction whereby the engine is operable to release the data after a time period unless the data is requested before the expiration of the time period.

**[[12]] 13. (Currently Amended)** The cache management system of Claim 1, wherein the component of the rule is further defined as a rule type.

Attorney Docket No: IDF 2393 (4000-12700)

Patent

**[[13]] 14. (Currently Amended)** A system for managing cached data, comprising:

a first application server;

an application operable on the first application server, the application utilizing data and having a rule related to a cache management of the data;

a second application server;

an in-memory database management system operable on the second application server to receive the data;

a wrapper in communication with the application to receive a component of the rule from the application and provide the component of the rule to the in-memory database system; and

an engine operable to monitor the in-memory database system and apply the rule to the cached data outside of the application.

**[[14]] 15. (Currently Amended)** The system of Claim **[[13]] 14**, wherein the engine is operable on the first application server.

**[[15]] 16. (Currently Amended)** The system of Claim **[[13]] 14**, wherein the wrapper is operable on the first application server.

**[[16]] 17. (Currently Amended)** The system of Claim **[[13]] 14**, wherein the wrapper and the engine are operable on the first application server.

Attorney Docket No: IDF 2393 (4000-12700)

*Patent*

**[[17]] 18. (Currently Amended)** The system of Claim **[[13]] 14**, wherein the engine is operable on the second application server.

**[[18]] 19. (Currently Amended)** The system of Claim **[[13]] 14**, further comprising a third application server and wherein the engine is operable on the third application server.

Attorney Docket No: IDF 2393 (4000-12700)

Patent

**[[19]] 20. (Currently Amended)** A method of managing cached data operable on one or computer systems, comprising:

obtaining data and a component of a rule related to the data from an application;

wrapping the data and the component of the rule;

providing the wrapped data and component of the rule to an in-memory database server;

monitoring the in-memory database server; and

applying the rule to the data based on the rule component outside of the application.

**[[20]] 21. (Currently Amended)** The method of Claim **[[19]] 20**, wherein the data is further defined as application data.

**[[21]] 22. (Currently Amended)** The method of Claim **[[19]] 20**, wherein the rule is defined as an instruction related to a cache management of the data.

**[[22]] 23. (Currently Amended)** The method of Claim **[[21]] 22**, wherein the component of the rule is further defined as a rule type related to the instruction.

Attorney Docket No: IDF 2393 (4000-12700)

Patent

**[[23]] 24. (Currently Amended)** A cache management system operable on one or computer systems, comprising:

an application utilizing data and having a rule related to caching the data;

a wrapper in communication with the application to receive at least a component of the rule; and

an engine operable to receive at least the component of the rule from the wrapper and apply the rule to cached data outside of the application.

**[[24]] 25. (Currently Amended)** The cache management system of Claim **[[23]] 24**, wherein the data is a refresh data request.

**[[25]] 26. (Currently Amended)** The cache management system of Claim **[[23]] 24**, wherein the rule is an application specific cache data rule.

**[[26]] 27. (Currently Amended)** The cache management system of Claim **[[23]] 24**, further comprising an in-memory database for managing cached data, the in-memory database further includes a storage portion for storing the data utilized by the application and a table operable to maintain a rule event related to the rule for caching data, the rule event pointing to a location in the storage portion of the in-memory database where the data related thereto is stored.

**[[27]] 28. (Currently Amended)** The cache management system of Claim **[[26]] 27**, wherein the wrapper is further operable to provide at least a portion of the data from the application and a component of the rule to the in-memory database.

Attorney Docket No: IDF 2393 (4000-12700)

*Patent*

**[[28]] 29. (Currently Amended)** The cache management system of Claim **[[27]] 28**, wherein the engine is further operable to poll the in-memory database and apply the rule related to the rule event to the data.